

PATENT ABSTRACTS OF JAPAN

(11)Publication 59-080685
n number :

(43)Date of 10.05.1984
publication of
application :

(51)Int.Cl.

C07D473/18

(21)Applicati 57-191174
on number :

(71)Applicant FUJISAWA PHARMACEUT CO LTD
:

(22)Date of 29.10.1982
filing :

(72)Inventor : TAKATANI TAKAO
OGINO TAKASHI

(54) N-LOWER ALKANOYLGUANINE DERIVATIVE AND ITS USE

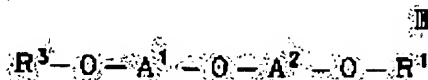
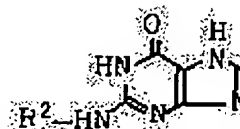
(57)Abstract:

NEW MATERIAL: A compound shown by the formula I (R1 and R2 are lower alkanoyl; A1 and A2 are lower alkylene; dotted line is double bond either at 7- and 8- positions of guanine ring or at 8- and 9- positions) and its salt.

EXAMPLE: N-Acetyl-7-(2-acetoxyethoxymethyl)guanine.

USE: An intermediate for synthesizing a guanine derivative of an antiviral agent.

PROCESS: An N-lower alkanoylguanine shown by the formula II is reacted with a compound shown by the formula III (R3 is lower alkanoyl) usually in the absence of a solvent in the presence of a protonic acid such as preferably methanesulfonic acid, etc. at 100W250°C to give a compound shown by the formula I. This compound is further subjected to dealkanoylation to give a guanine derivative.



LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]